



Level 1 Validation Certificate

FY2019-2020

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 11/4/2020

Water Supplier

Supplier Name:	Burlingame, City of
Supplier Participants:	Jennifer Lee, Sam Johnson

Key Audit Metrics

Data Validity Score:	75	
ILI:	0.93	
Real Loss:	16.68	gal / conn / day
Apparent Loss:	2.54	gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	3.2%	

Validator

Validator:	Kim Manago, Water Systems Optimization
Validator Qualifications:	Water Audit Validator Certificate from the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name: City of Burlingame

Water Supplier Public Water System ID: CA4110003

Water Audit Period: Fiscal Year 2019-20

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

The City is in its fifteenth year of its 20-year Routine Meter Maintenance Program which began in 2006. This program includes replacing ¾” and 1” meters every 20 years, 1 ½” to 2” meters every 10 years, and test (with replacement as necessary) 3” and larger meters every three years. This program also included upgrading to an Automatic Meter Reading (AMR) system. During FY 2019-20, the City tracked the estimated unbilled unmetered consumption from fire fighting, water main flushing, and other planned uses. Previously, unplanned uses were included in this estimate. The City also used an asset management software with GIS to export the number of service connections. Lastly, the calculation of customer retail unit cost was revised to remove fixed service charges.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Art Morimoto

Executive Position: Assistant Public Works Director

Signature:

DocuSigned by:
Art Morimoto
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Date 12/10/2020